	Application No.	Applicant(s)
Notice of Allowability Ex	10/802,713	NELSON, NEIL R.
	Examiner	Art Unit
	F. L. Evans	2877
The MAILING DATE of this communication apperation allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR (The Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comn GHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS
1. 🔀 This communication is responsive to the papers filed on Ma	arch 17, 2004.	
2. The allowed claim(s) is/are 1-9.		
 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have) or (f).
2. Certified copies of the priority documents have	been received in Applicat	ion No
3. Copies of the certified copies of the priority doc	cuments have been receive	ed in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.	
(a) I including changes required by the Notice of Draftspers	on's Patent Drawing Revie	ew (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
6. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 ☐ Notice of I	nformal Patent Application (PTO-152)
Notice of References Cited (F10-992) Notice of Draftperson's Patent Drawing Review (PT0-948)		Summary (PTO-413),
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	_ Paper No	s Amendment/Comment
Paper No./Mail Date <u>0804</u>	. —	
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. 🛛 Examiner'	s Statement of Reasons for Allowance
	9. 🗌 Other	<u>_</u> .

Application/Control Number: 10/802,713

Art Unit: 2877

DETAILED ACTION

The Information Disclosure Statement

The prior art cited in the information disclosure statement filed on August 24, 2004 has been considered.

Additional Prior Art

Fateley et al (US 6,859,275) and Jovin et al (US 6,128,007) disclose spectrally programmable light sources comprising a diffraction grating and a DMA. Attention is directed to Fig. 17 of Fateley et al and the text under the heading "Spectrally Programmable Light Source (PLS)" in columns 9 and 10 of Jovin et al.

Allowable Subject Matter

Claims 1-9 are allowed over the prior art of record.

Examiner's Statement of Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

As to independent claim 1, the prior art of record, taken alone or in combination, fails to disclose or render obvious a hyperspectral scene generator comprising a controller for controllably moving each of the mirrors of the mirror array for selectively reflecting the spectral band directed to the corresponding mirror location, wherein the controller receives scene data representative of a simulated scene having a plurality of scene locations and wherein each of the scene locations includes at least one spectral band at a predetermined power level, wherein the controller generates, based on the scene data, control signals for selectively moving the mirrors of the mirror array such that the mirrors located in a same row of the array selectively reflect the directed spectral bands corresponding to the spectral bands associated with a scene location of the simulated scene, in combination with the rest of the limitations of the claim.

As to independent claim 9, the prior art of record, taken alone or in combination, fails to disclose or render obvious a method of generating a hyperspectral scene comprising the steps of controllably

Art Unit: 2877

moving each of the mirrors of the mirror array for selectively reflecting the spectral band directed to the corresponding mirror location, wherein the mirrors of the array are controllably moved to the first and second positions based on scene data representative of a simulation scene having a plurality of scene locations and wherein each of the scene locations includes at least one spectral band at a predetermined power level and projecting the spectral bands reflected by the mirrors in a same row of the array to a predetermined projection location, wherein each of the rows of mirrors in the array corresponds to a different predetermined projection location, in combination with the rest of the limitations of the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Fax/Telephone Numbers

Any inquiry concerning this communication or earlier communications from the examiner should be directed to the examiner whose telephone number is (571) 272-2414.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on (571) 272-2800 ext 77. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

F. L. EVANS
PRIMARY EXAMINER
ART UNIT 2877

fle

April 13, 2006